CBR No.- 152/15-16
30-11-15

P.W.G.-7 2nd and final bill — Original/Duplicate/Triplicate

NO

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka — Sub division Yelahanka New Town — Date

Bills received No — YMK-DBR No. 250 Date 30.11.15 — Sub-divisional / Divisional — Cash book vr No — Date

Sheduled Docket No — Head of account P-0190

Name of work(as per sanctioned estimate) :-

NAME OF WORK : Construction of library building at Yelahanka New Town of ward no 04 in Yelahanka New Town Sub Division

Work Code : 004-14-000057

Name of contractor and full address :- KRIDL Technical Manager (West)

Reference to agreement No :- 517 — **Estimated cost : 49.00** — **W.O. No :517/13-14, dt:4/3/2014**

Certified that the measurments were taken by me on 30/11/15 and recorded on pages 2160 to 2162 of measurment book No 2165 and the work is satisfactorily executed by the contractor.

EXECUTIVE ENGINEER-1 KRIDL BAMP DIVISION BENGALURU-560 010

Signature of contractor

Assistant Engineer

Certified that the measurments were taken by me on 30/11/15 and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ. ಜಯನಗರ ಬೆಂಗಳೂರು-105

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within	1st & Part	2638007=00
2) Deduct amount to be held in reserve being-----percent Rs----------%---------	2nd & Final	2151830=00
3) Balance---		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount	FSD	139868=00
	IT	43037=00
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	VAT	86074=00
	LC	21518=00
Total	CBF	21512=00
	LR	13228=00
	Fine	8175
5). Balance being unpaid value of work done held in reserve	T.D	314061=00
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.	Net	1837769=00
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

EXECUTIVE ENGINEER-1 KRIDL BAMP DIVISION BENGALURU-560 010

Dated Signature of contractor

paid by me cheque No dated

Cash Rs

Date Initials of officer making payment

Reciept Stamp

EXECUTIVE ENGINEER-1 KRIDL BAMP DIVISION BENGALURU-560 010

Audited & Admitted for Rs 2151830=00

1837769=00

Date 314061=00 Executive Engineer

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to d	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. (P5/2.1)	Cum	78.00	9673.56		124.02		78.00	9673.56
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 (P.5/2.4 PWD SR - 2013-14).	Cum	191.34	42795.10		223.66	0.00	191.34	42795.10

3	KSRB 2.8: Providing and ~~laying~~ in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P6/2.15)	Cum	~~33.57~~ 33.56	~~58536.01~~ 58516.57		1743.70	0.00	33.57	58536.01
4	KSRRB 2900-4.1: Providing and laying in position plain cement concrete mix 1:4:8 with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, cost of all materials, labour, HOM of machineries, curing complete as per specifications. (P.12/4.3)	Cum	57.34	241480.53	~~30.66~~ 26.29	4211.38	~~129120.91~~ 110717	~~88.00~~ 83.63	~~370601.44~~ 110717
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.22/5.6)	Cum	37.01	128950.98		3484.22	0.00	37.01	128950.98

6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P.22/5.90)	Cum	6.96	28875.93		4148.84	0.00	6.96	28875.93
7	KSRB 4-1.5: Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not excedding 15cms. Thick well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification.(P12/4.5)	Cum	18.13	94724.54	20.50	5224.74	107107.17	38.63	201831.71
8	KSRB 15.1.1 Providing flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.122/1.15.3)	Sqm	10.20	800.09		78.44		10.20	800.09

9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. (P.6/2.10 PWD SR - 2013-14).	Cum	191.34	19065.12		99.64	0.00	191.34	19065.12
10	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of materials, labour complete as per specifications. (P14/4.28)	Sqm	100.14	22078.87		220.48		100.14	22078.87
11	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/ rectangular/polygon in plan including cost of all materials, labour complete as per specifications. (P15/4.32)	Sqm	97 ~~96.34~~	32079.84 ~~31861.56~~		330.72		97 ~~96.34~~	32079.84 ~~31861.56~~
12	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specifications. (P15/4.36)	Sqm	98.54 ~~86.81~~	64447 ~~56775.48~~		654.02	0.00	98.54 ~~86.81~~	64447 ~~56775.48~~

13	KSRB 4-6.7: Providing and removing centerign, shuttering strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of materials, labour complete as per specifications.(P15/4.34)	Sqm	119.26	28569.93	—	239.56	—	119.26	28569.93
14	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.15/I.4.37)	Sqm	9.45	2293.89	—	242.74	—	9.45	2293.89
15	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.14/I.4.29)	Sqm	194.19	55165.50	—	284.08	0.00	194.19	55165.50

16	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.17)	Cum	108.74 ~~109.01~~	601910.69 ~~603405.23~~	—	5535.32	—	108.74 ~~109.01~~	601910.69 ~~603405.23~~
17	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (M20) with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P. 13/4.19 PWD SR - 2010-11).	Sqm	9.45	4327.34	—	457.92	0.00	9.45	4327.34

18	Providing and fabricating TMT Steel reinforcement bars including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tieing with binding wire, anchoring to the adjoining members wherever necessary, as per designs (laps, hooks and wastages shall not be measured and paid) including cost of all materials, labour, HOM of machineries complete as per specifications. (P16\4.46)	Qntl	115.42 ~~116.03~~	836107.09 ~~840525.96~~	←	7244.04	0.00	115.42 ~~116.03~~	836107.09 840525.96
19	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P24/5.27)	Cum	115.41 ~~112.24~~	104718.41 ~~101842.09~~	109.25 ~~111.77~~	907.36	99582 ~~101415.63~~	225.16 ~~224.01~~	204300.00 ~~203257.71~~

20	Providing and laying pattern for flooring staircase, treads and risers using the combination of 20mm thick blockgranite @ 76% 20mm thick grey granite @ 22% 20mm thick shiva gold granite 7% 20mm thick black granite2%. The granite meterials are laid on existing bed of CM 1:3.20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50mm wide curing etc.,Complete(p.np117/14 .48.1).	Sqm			~~190.16~~ 190.03	3558.42	~~676669.15~~ 676206	~~190.16~~ 190.03	~~676669.15~~ 676206
21	KSRB 9.11: Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials. labour, HOM of machineries complete as per specifications. Specifications No, KBS 9.33 (page No. 45/Item No. 9.10)	Cum			0.36	105456.22	~~37964.24~~ 37953	0.36	~~37964.24~~ 37953

22	KSRB: 9-27-1: Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embeddding holdfast in cement concrete 1:3:6 of 20mm and down size granite matal painting two coats of coal tar to sides of frame making good the damages to walls and floor as reguired and diposal of the debries with lead upto 50m including cost of materials labour charges complete as per Specifications. (Page No. 51/ Item No. 9.80)	No's							
	Door Frames				4.00	923.26	3693.04	4.00	3693.04
	Window Frames				~~12.00~~ 2	625.40	~~7504.80~~ 1250	~~12.00~~ 2	~~7504.80~~ 1250
					~~3.00~~	~~475.94~~	~~1427.82~~	~~3.00~~	~~1427.82~~
23	KSRB 9.7.1: Providing and fixing in position fully panelled Honne wood shutters for doors styles and rails of 30mm. Thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (eccluding cost of fixtures) Specification No. KBS 9.34 (page No. 46/Item No. 9.20)	Sqm			7.74	3995.14	30922.38	7.74	30922.38

24	KSRB 9.21.2: Providing and fixing in position half panelled Honne wood shutters for window&ventilatorsstyles and rails of 20mm. Thick with bottom and lock rails 75mm wide top rail and styles 100mm wide as per drawing and panels of 20mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (eccluding cost of fixtures) Specification No. KBS 9.34 (page No. 46/Item No. 9.64)	Sqm			2.52 ~~2.88~~	3572.20	9001 ~~10287.94~~	~~2.52~~ 2.88	9001 ~~10287.94~~
25	KSRB 7.9: Providing and fixing M.S. Grill work for windows and ventilators weighing 21 kg/sqm using M.S Flats or M.S. Square roads, or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12	Kg's			60.48	95.40	5769.79	60.48	5769.79

26	Providing and fixing MS grill over exisiting compound wall as per using b16mmx16mm MS square rod at 150mm c/c spacing and 6mmx40mm MS flats at horizontal and 6mmx12mm MS flat for ornamtntal design and providing shp edge design at the verify of every vertical roads, inclduing welding grinding hereve necessray All the steel surface should be throughly cleaned free of rust and paited with and ect.. as pers pecification (Pg.47, Item No 7.36)	Sqm			25.20	5857.56	147610.51	25.20	147610.51
27	KSRB 7.22 Providing , fabricating, assembling and fixing in position anodized luminium partition using 101.60mm x 44.45mm x 3.18mm aluminium, mat finish or lossy finish , anodized sections combination of plain , single groove and double groove embers should not exceed 0.60mc/c and bottom member of required lengths, joints itred and corner grinded sub dividing assembled frame should be stiffened with orner angles. Stripped and fixed with screws rawl plug and teakwood guttas to RCC olumn or masonry on sides. RCC lintels or beams at top and mosaic floor at bottom; ncluding cutting chistelling and making good with cement mortar to match the surface Providing and fixing 12mm.thick prelaminated	Sqm			2.88	3074.00	8853.12	2.88	8853.12

28	KSRB 7.11:Providing and fixing in position aluminium windows as per approved drawings with sliding shutters using double track window frame section of size 61.85*31.75mm.with 1.2mm thick,bottom section weight 0.695 kg/m, sides and top sections 1:3mm.thick weight 0.659kg/m and shuttercomprising top and bottom section of size 40mm*18mm.1.25mm thick0.417kg/m etc as per specification and directions of incharge of enginner work.(P.NO38/S.NO7.10)	Sqm			21.76 ~~23.76~~	3726.96	81098 ~~88552.57~~	21.76 ~~23.76~~	81098 ~~88552.57~~
29	KSRB 7.1: Providing and fixing inposition collapsablesteelshutterswithsingleordoubleleafwithverticalchannel20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers, handles on borht sides with 7.5cms opeinings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.(P36/7.1)	Sqm			5.67 ~~6.12~~	4206.78	24419 ~~25745.49~~	5.67 ~~6.12~~	24419 ~~25745.49~~

30	KSRB 14.14.2: Providing colour glazed tiles all sizes 10mm thick for flooring treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix flush pointing using white cement with matching colour pigment including cost of materials labour curing complete as per specifications. Specification No. KBS 14.15.2 (page 93/Item no. 14.33)	Sqm			~~7.08~~	882.98	6251.50	7.08	6251.50
31	KSRB 14.17.1 : Providing skirting dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials labour, complete as per specifications. Specification No. KBS 14.16., 14.17 (Page no. 94/ Item No. 14.40	Sqm			29.04	832.10	24164.18	29.04	24164.18
32	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/15.22)	Sqm			219.58 ~~252.12~~	148.40	32585 ~~37414.61~~	~~219.58~~ ~~252.12~~	32585 ~~37414.61~~

30	KSRB 14.14.2: Providing colour glazed tiles all sizes 10mm thick for flooring treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 mix flush pointing using white cement with matching colour pigment including cost of materials labour curing complete as per specifications. Specification No. KBS 14.15.2 (page 93/Item no. 14.33)	Sqm			~~7.08~~	882.98	6251.50	7.08	6251.50
31	KSRB 14.17.1 : Providing skirting dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials labour, complete as per specifications. Specification No. KBS 14.16., 14.17 (Page no. 94/ Item No. 14.40	Sqm			29.04	832.10	24164.18	29.04	24164.18
32	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/15.22)	Sqm			219.58 ~~252.12~~	148.40	32585 ~~37414.61~~	~~219.58~~ ~~252.12~~	32585 ~~37414.61~~

	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.97/15.16)	Sqm			274.08	187.62	51422.89	274.08	51422.89
34	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99/15.33)	Sqm			493.58 ~~526.20~~	19.08	9417 ~~10039.90~~	~~493.58~~ ~~526.20~~	493.58 ~~10039.90~~
35	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.98/15.19)	Sqm			179.21 ~~191.21~~	199.28	35712 ~~38104.33~~	~~179.21~~ ~~191.21~~	35712 ~~38104.33~~
36	KSRB 15.3.3 Providing 15mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P97/15.14)	Sqm			308.00	138.76	42738.08	308.00	42738.08

	KSRB 8.6-8: Providing and fixing on wall surface 4.0Kg/Sqcm HDPE rain down water pipes 110mm outer dia. Approved makes and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. (P42/8.19)	Rmtr			13.20 ~~26.40~~	595.72	7863 ~~15727.01~~	13.20 ~~26.40~~	7863.00 ~~15727.01~~
38	KSRB 15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P101/15.49)	Sqm			493.58 ~~526.20~~	79.50	39239 ~~41832.90~~	493.58 ~~526.20~~	39239 ~~41832.90~~
39	Providingexternalwallswithtextureingapprovedbrandpaint,applieduniformlyinthreecoatsoveronecoatofprimerincludingcostofallmaterials,machineries,labour,transportation,loading&unloading,allleadandliftandotherincidentalchargesincludingscaffoldingandremovingstains,completeasperspecification.(P-134/15.103)	Sqm			308.00	260.76	80314.08	308.00	80314.08

40	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised/mild steel tube 15 mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifictaions. Specification No. KBS 13.2.14/13.8. (P-79 & 13.1).	M			20.00	184.44	3688.80	20.00	3688.80
41	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660 x 460 with a pair of 15 mm C.P. brass pillar taps with pair of elbow operated levers, C.I./M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11 (Page : 70 Item No. 12.30)	Unit			2.00	4520.90	9041.80	2.00	9041.80
42	KSRB 13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads, complete as per specifications. Specification No. KBS 13.2.2/13.3 (Page No. 80 & Item No. 12.22)	Each			2.00	231.08	462.16	2.00	462.16

43	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa Pattern of size 580 x 440 mm with integral type footrest, 100mm S or P trap, 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I./M.S. brackets, 32 mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25 mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11 (Page : 67 Item No. 12.2)	Pan			2.00	4441.40	8882.80	2.00	8882.80
44	KSRB 11-8.1 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 580 x 440 x 265 mm with 5 litres P.V.C. automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour, curing complete as per specification. KBS 11 (Page : 80 Item No. 12.11)	Unit			2.00	2806.88	5613.76	2.00	5613.76

45	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or Blue and inner white layer of approved quality and make, conforming to I.S.I/ISO/SSI specifications.	Ltr.			1000.00	6.36	6360.00	1000.00	6360.00
46	KSRB 11-15.3: Providing and fixing 453x357mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing incluidng cost of materials, labour complete as per specifications.	Unit			2.00	1204.16	2408.32	2.00	2408.32
47	Applying Primer coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface afetr throughly cleaning oil, grease, dirt and other foreign matter, sand papering and knotting ready mix paint including cost of materials, labour complete as per Specifications (P No. 102 Item No.15.59 PWD SR 2013-14)	Sqm			25.24	30.21	762.50	25.24	762.50
48	Providing and Applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, clening the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P No. 102 Item No.15.60 PWD SR 2013-14)	Sqm			25.24	78.44	1979.83	25.24	1979.83
49	Urocon tiles(Approved data rate)	Sqm			123.30	1200.00	147960.00	123.30	147960.00

50	Scanning and wiring adopting loop system in existing PVC conduit /casing caping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose legnth in a wood/PVC round block, complete for each outlet. (P.4/I.8.I.C) Electrical-SR 2013-14)	No.							
	b) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch				10.00	175.00	1750.00	10.00	1750.00
	c) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch				6.00	368.00	2208.00	6.00	2208.00
51	Supplying 6A flush /projected type socket and a 6 amps flush/projected type SP switch either surface mounting in a gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. (P.6/I.12a) Electrical -SR 2013-14)	No							
					12.00	91.00	1092.00	12.00	1092.00
52	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complete. (P.4/I.6) Electrical -SR 2013-14)	Each							
	b) 12"x12"x3"				4.00	98.00	392.00	4.00	392.00
	c) 10"x7"x3"				6.00	68.00	408.00	6.00	408.00

53	Extra for groove cutting, plastering and colour washing for embedding PVC conduit/GI pipe and plastering finishing the wall upto wall surface complete upto 50mm conduit in brick in wall (P.3/I.7a) Electrical-SR 2013-14)	Rmtr							
					120.00	14.00	1680.00	120.00	1680.00
54	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charcoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as per IS1 specification 7.3.3 of IS 732 using 12 mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (P.68/I.2) Electrical -SR 2013-14)	Each							
					4.00	3000.00	12000.00	4.00	12000.00

55	Supplying 20mm dia 2mm thick heavy guage PVC conduit pipe with suitable size bends, metal junction boxes, adhesive paste etc and running before concreting the slabs. The conduit should be tied to the reinforcement roads by using binding wire and unused ways of junction boxes and pipe ends should be covered using PVC and enclosures and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.2/I.2a) Electrical -SR 2013-14)	Rmtr					0.00	0.00	0.00
					120.00	32.00	3840.00	120.00	3840.00
56	Supply patty type fluorescent tube light fitting of 4 feet 40 watts fluorescent tube of 230 volts made of M.S. sheet and stove enameled with heavy duty polyfill aluminum choke, starter, locking type brass contact holders mounted on foldable type sheet base fully wired.for use on 230 volts AC supply including 1 Nos 4'-36/40 watts fluorecent tube A Group (P.16/I.2a) Electrical -SR 2013-14)	No							
					12.00	400.00	4800.00	12.00	4800.00
57	Wiring for lighting / power circute using one of PVC insulated 1100v/grade multies and copper conductor single core cable in open or consealed system of wiring A Group materials 1.50 Sqmm materials (P.9/I.20Ib) Electrical - SR 2013-14)	Rmtr							
					720.00	15.00	10800.00	720.00	10800.00

58	Supplying and running of 2.5 Sq.mm Copper conductor for grounding & (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts nuts and washers etc. (P.68/I.3Ic) Electrical - SR 2013-14)	Rmtr							
					36.00	**221.00**	7956.00	36.00	7956.00
59	Supplying and fixing miniature circuit breakers/Isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required (P.36/I.12Ba) Electrical -SR 2012-13)	No.							
					6.00	370.00	2220.00	6.00	2220.00
60	Supplying capacitor type ceiling fan complete with down rod blades, shakle, regulator canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved (Almanord, Unique ISI, Anchor, Crompton, Khaitan, Bajaj, Usha, Johnson make) (P.23/I.23IIa) Electrical -SR 2013-14)	Nos							
					10.00	1900.00	19000.00	10.00	19000.00
61	Fixing a ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (P.29/I.8) Electrical -SR 2013-14)	Nos							
					10.00	105.00	1050.00	10.00	1050.00

62	Supplying and fixing 32mm dia class A GI pipe bracket upto 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluoroscent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical-SR 2013-14)	Nos							
					10.00	685.00	6850.00	10.00	6850.00
63	Digging of trench of 0.6m deep x 0.50mtr wide refiling the trench to the required ground level and consolidating etc., complete. In Hard Soil (P.70/I.6b) Electrical -SR 2013-14)	Rmtr							
					30.00	50.00	1500.00	30.00	1500.00
	TOTAL			**2371747.70**			**1995360.00**		**4367107.70**
	11% KRIDL			**260892.247**			**219489.60**		**480381.85**
	1% QC charges			**23717.48**			**19953.60**		**43671.08**
	G TOTAL			**2656357.42**			**2234803.20**		**4891160.62**

AE
Ward no 04

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore